



7329

Department of Energy  
Washington, DC 20585

December 20, 2012

Mr. Timothy Fischer  
U.S. Environmental Protection Agency  
Region V-SRF-6J  
77 W. Jackson Blvd.  
Chicago, IL 60604-3590

Mr. Thomas A. Schneider  
Ohio Environmental Protection Agency  
401 East 5th Street  
Dayton, Ohio 45402

Dear Mr. Fischer and Mr. Schneider:

**SUBJECT: Transmittal of the December 2012 Fernald Site Inspection Forms**

The purpose of this letter is to transmit the completed forms for the December 2012 Fernald Preserve quarterly inspection. The December 2012 inspection was conducted at Fernald as directed by the *Comprehensive Legacy Management and Institutional Controls Plan*. This letter also fulfills the reporting requirements specified in the *Environmental Covenant*, which is Appendix D of the *Consent Decree Resolving Ohio's Natural Resource Damage Claim Against DOE*. The inspection confirms that the activity and use limitations for the Fernald Preserve remain in place and are being complied with.

A field walk-down took place on December 6. It was conducted with participation from S.M. Stoller Corporation and the Ohio Environmental Protection Agency (Ohio EPA). Note that the On-Site Disposal Facility (OSDF) cap has a separate inspection and reporting process.

The field walk-down was conducted through a northern portion of the site, the north woodlot, and the entire western portion of the site between Paddys Run and Paddys Run Road, from the north perimeter to Willey Road. Findings from this walk-down are documented on the enclosed Fernald Preserve Field Walk-down Inspection Form and associated map. In addition to the quarterly field walk-down, specific institutional controls were inspected. Findings from this effort are documented on the enclosed Fernald Preserve Institutional Controls Inspection Form.

No prohibited activities were observed. No debris was identified during this inspection. Debris, when located, is identified in the field with yellow pin flags and is addressed through the debris tracking and disposition process. The site radiological technician surveys each piece of debris identified during the inspections and makes the determination for free release or later disposal. DOE is committed to providing quarterly summary numbers regarding debris findings. Since the September 2012 site inspection, 106 pieces of debris have been scanned and free-released. Five pieces of debris were found with fixed contamination and have been dispositioned accordingly.



Mr. Timothy Fisher  
Mr. Thomas A. Schneider  
Page 2

Findings from this inspection that require follow-up have been added to the Fernald Preserve Maintenance and Repair Action Items database, a printout of which is enclosed. Resolution of findings is then tracked through this database. Items on the list are shaded once they are completed; previously reported items are removed from the list. Resolution of older findings can be found on previous quarterly inspection reports. Note that all findings from the December 2012 inspection have been corrected, so no additional items were added to the Action Items database.

If you have any questions or require additional information, please call me at (513) 648-3148. Please send any correspondence to:

U.S. Department of Energy  
Office of Legacy Management  
10995 Hamilton-Cleves Hwy.  
Harrison, OH 45030

Sincerely,



Jane Powell  
Fernald Preserve Site Manager  
DOE-LM-20.2

Enclosure

cc w/enclosure:

M. Murphy, USEPA-V, A-18J  
T. Schneider, OEPA (three copies of enclosure)  
Project Record File FER 115.02.05(A) (thru W. Sumner)  
Administrative Records (thru W. Sumner)

cc w/o enclosure:

(electronic)  
C. Clayton, DOE  
D. Shafer, DOE  
G. Hooten, DOE  
K. Reed, DOE  
B. Hertel, Stoller  
J. Homer, Stoller  
L. McHenry, Stoller

**U.S. Department of Energy Office of Legacy Management**

**Fernald Preserve Field Walkdown Inspection**

Date December 6, 2012 Inspector SM Stoller, Ohio EPA

Area North woodlot, Paddys Run West Sub-Area \_\_\_\_\_

| No. | Location (Use Map Whenever Possible) | GPS? | Type of Finding  |             |            |       | Description                     | Photo? (File No.) | Follow Up |                   |                   |
|-----|--------------------------------------|------|------------------|-------------|------------|-------|---------------------------------|-------------------|-----------|-------------------|-------------------|
|     |                                      |      | Unauthorized Use | Disturbance | Vegetation | Other |                                 |                   | Corrected | Maintenance Req'd | Cont. Observation |
| 1   | West of NW corner of fence           | No   |                  |             |            | X     | Parts of old barrel             |                   | X         |                   |                   |
| 2   | Drain coming from road               | No   |                  |             |            | X     | Old tire in drainage            |                   | X         |                   |                   |
| 3   | WM2 W2*                              | No   |                  |             |            | X     | Very low water level – breach?  |                   | X         |                   |                   |
| 4   | Area 8 Phase III North               | No   |                  |             |            | X     | Plastic tubing, blue ball at PR |                   | X         |                   |                   |
| 5   | West side of trestle                 | No   |                  |             |            | X     | 2 T-posts and angle iron        |                   | X         |                   |                   |
| 6   | Paddys Run Tributary Area B          | No   |                  |             |            | X     | Pull pink flags                 |                   | X         |                   |                   |
| 7   | Well #4108 (PRW)                     | No   |                  |             |            | X     | Cast iron debris                |                   | X         |                   |                   |
| 8   | RR bed/trestle                       | No   |                  |             | X          |       | Remove tree protection          |                   | X         |                   |                   |
| 9   | Pull off N of Eco Park lot           | No   |                  |             |            | X     | Tires over hillside             |                   | X         |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |
|     |                                      |      |                  |             |            |       |                                 |                   |           |                   |                   |

**Additional Notes**

\*The WM2 wetlands were investigated. The determination was made that the water levels were low simply due to low rainfall amounts. There is no breach in the wetland system.

U.S. Department of Energy Office of Legacy Management

Fernald Preserve Institutional Control Inspection

Date Dec. 2012 Inspector SM Stoller Area Institutional Controls

| Institutional Control                      | Type of Finding (See Definitions Page) |         |                |       | Description                                           | Photo? (File No.) | Follow Up |                   |                   |
|--------------------------------------------|----------------------------------------|---------|----------------|-------|-------------------------------------------------------|-------------------|-----------|-------------------|-------------------|
|                                            | Signage                                | Barrier | Groundskeeping | Other |                                                       |                   | Corrected | Maintenance Req'd | Cont. Observation |
| <b>Access Points</b>                       |                                        |         |                |       |                                                       |                   |           |                   |                   |
| South Access                               |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| North Access                               |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| Eco Park                                   |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| Forest Demo                                |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| <b>Perimeter Authorized Vehicle Access</b> |                                        |         |                |       |                                                       |                   |           |                   |                   |
|                                            |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| <b>Perimeter Signage</b>                   |                                        |         |                |       |                                                       |                   |           |                   |                   |
|                                            |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| <b>Fencing</b>                             |                                        |         |                |       |                                                       |                   |           |                   |                   |
| CAWWT                                      |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| OSDF                                       |                                        |         |                |       | NO FINDINGS (see December 2012 OSDF quarterly report) | No                |           |                   |                   |
| Utility                                    |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| Trestle                                    |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| <b>Interior Authorized Vehicle Access</b>  |                                        |         |                |       |                                                       |                   |           |                   |                   |
|                                            |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| <b>Buildings and Structures</b>            |                                        |         |                |       |                                                       |                   |           |                   |                   |
| Communication Building                     |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| DO Building                                |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| Restoration Storage Shed                   |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| <b>Other IC</b>                            |                                        |         |                |       |                                                       |                   |           |                   |                   |
| 60-Inch Culvert                            |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| Uncertified Areas                          |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| Roads and Parking Areas                    |                                        |         |                |       | NO FINDINGS                                           | No                |           |                   |                   |
| Trails and Overlooks                       |                                        |         |                |       | New findings are recorded in weekly trail inspections | No                |           |                   |                   |

**U.S. Department of Energy Office of Legacy Management**

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**Fernald Preserve Institutional Control Inspection (continued)**

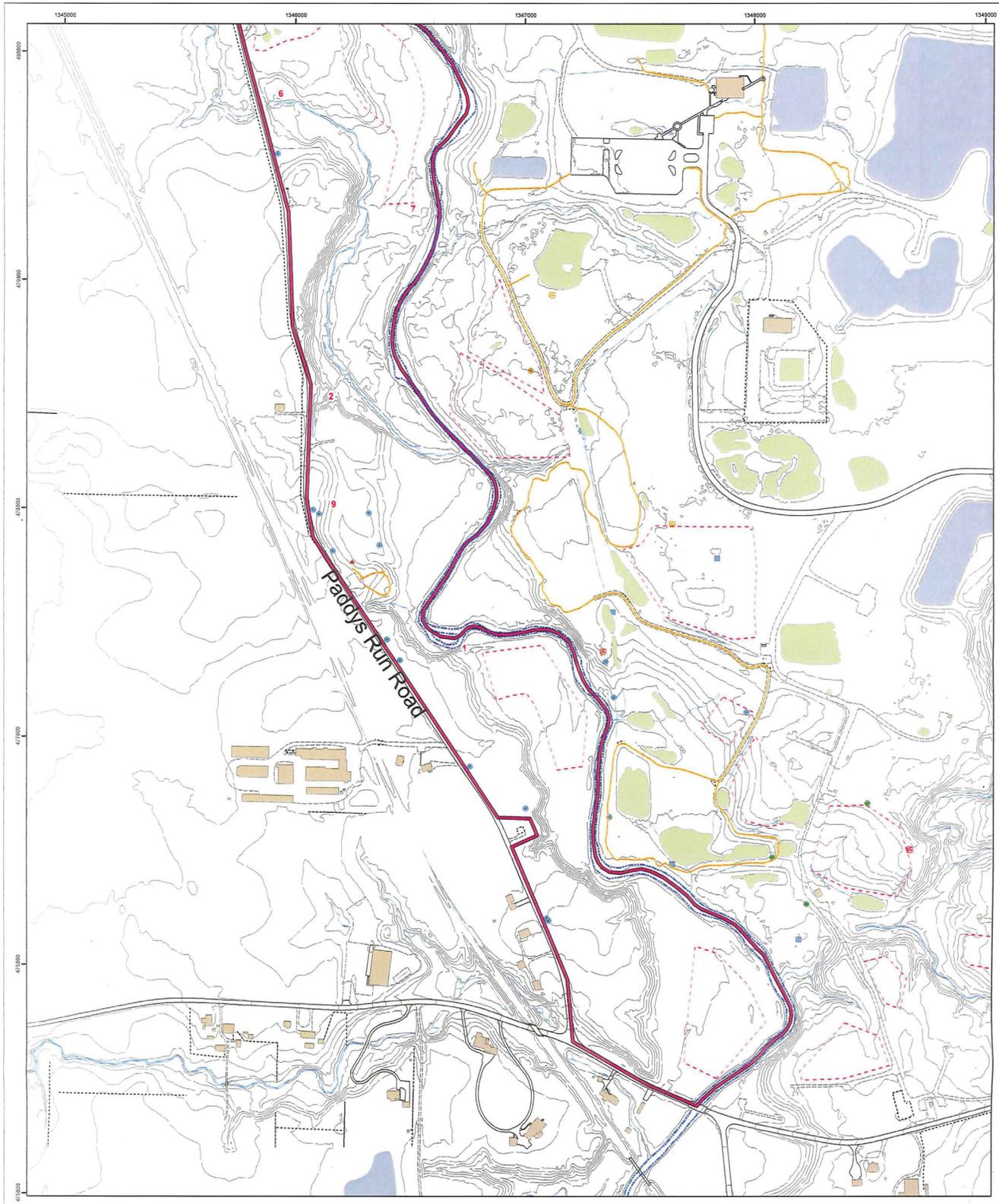
Date \_\_\_\_\_ Inspector \_\_\_\_\_ Area \_\_\_\_\_

**Additional Notes**

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- Proposed Inspection Area
- Building
- Road-paved
- Road-gravel
- Fence
- Deer Fence
- Trail
- Elevation Contour
- Paddy's Run
- Intermittent Stream
- Open Water
- Wetland



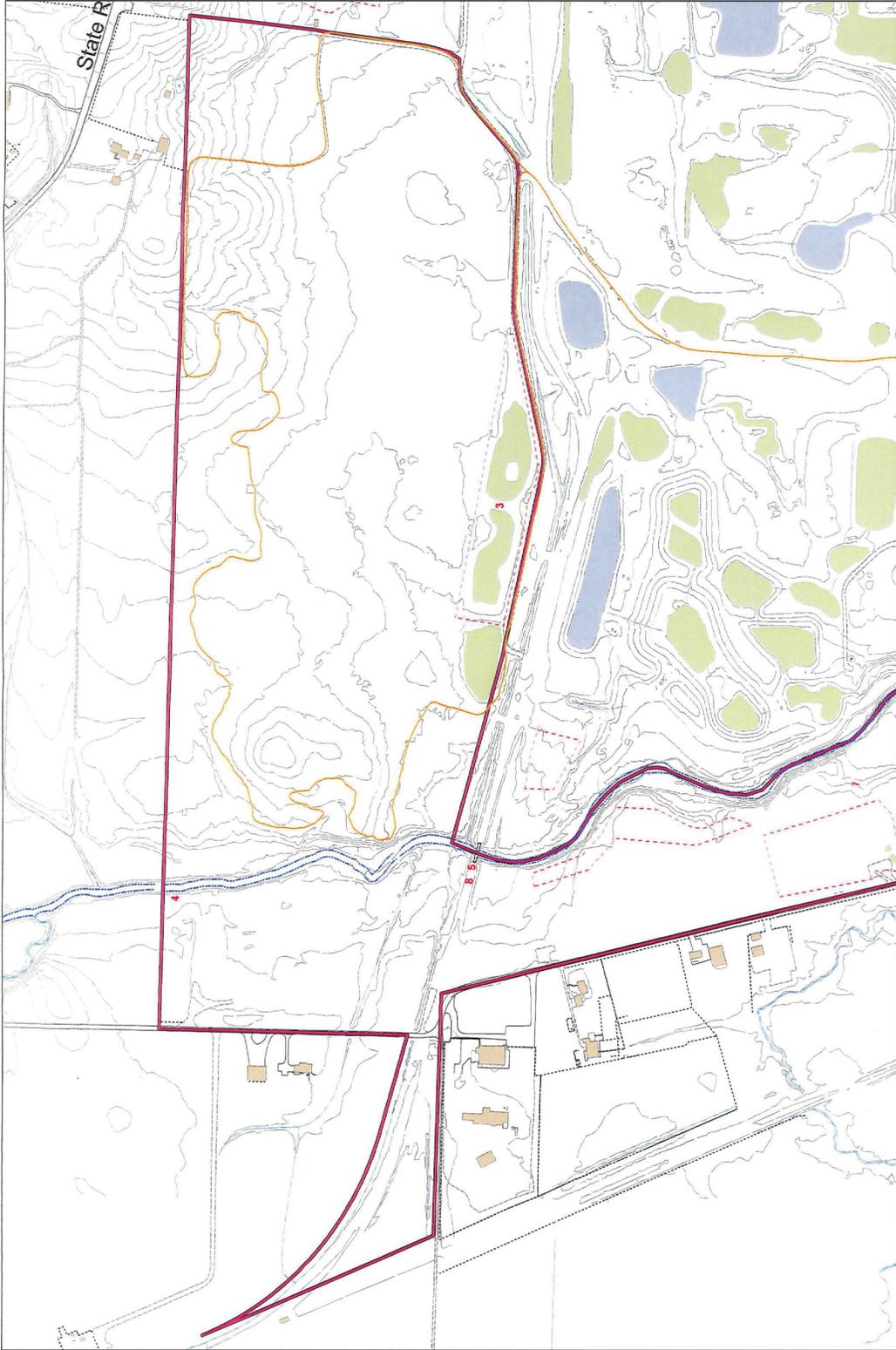
U.S. DEPARTMENT OF ENERGY  
HAMILTON, OHIO

Work Performed by  
**S.M. Stoller Corporation**  
Under DOE Contract  
No. DE-AC05-07LA00090

Fernald Preserve  
Consolidated Finding Locations for South Section  
of December 2012 Site Inspection

DATE PREPARED:  
December 10, 2012

FILENAME:  
inspection\_areas\_4thqtr\_2012\_south\_loc



State R

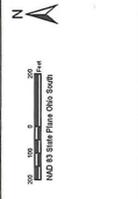
U.S. DEPARTMENT OF ENERGY  
HAMILTON, OHIO

S.M. Stoller Corporation  
10000 State Route 100  
Hamilton, OH 45006

Fernald Preserve  
Consolidated Finding Locations for North Section  
of December 2012 Site Inspection

DATE PREPARED: December 12, 2012

FILE NAME: Inspection\_areas\_4thqr\_2012\_north\_b.c



- Proposed Inspection Area
- Building
- Road-Paved
- Road-Gravel
- Fence
- Deer Fence
- Trail
- Elevation Contour
- Paddy's Run
- Intermittent Stream
- Open Water
- Wetland

Map data provided by the U.S. Geological Survey, National Wetland Inventory, and the U.S. Department of Energy, Office of Environmental Management.

**FERNALD PRESERVE MAINTENANCE AND REPAIR ACTION ITEMS  
DECEMBER 2012 UPDATE**

| No.  | Location                                                 | GPS? | Maintenance item identified                               | Date identified | Origin of Finding                      | Inspection Finding No. | Resolution                     | Date of resolution | Comments                                   |
|------|----------------------------------------------------------|------|-----------------------------------------------------------|-----------------|----------------------------------------|------------------------|--------------------------------|--------------------|--------------------------------------------|
| 757  | Former silos area                                        | No   | Wide erosion, partially vegetated                         | 6/9/2009        | June 2009 quarterly field walkdown     | 57                     | Repaired                       | Sept. 2012         |                                            |
| 856  | Duke Energy substation                                   | No   | Honeysuckle all along bank east of Duke Energy substation | 12/14/2009      | December 2009 quarterly field walkdown | 11                     |                                |                    |                                            |
| 857  | Field north of Duke Energy substation on Paddys Run Road | No   | Northwest corner of deer fence is damaged                 | 12/14/2009      | December 2009 quarterly field walkdown | 12                     | Removed deer fence             | Sept. 2012         |                                            |
| 862  | Field at Rainbow bridge                                  | No   | Honeysuckle                                               | 12/14/2009      | December 2009 quarterly field walkdown | 17                     |                                |                    |                                            |
| 943  | East bank of drainage                                    | No   | Thistle                                                   | 3/11/2010       | March 2010 quarterly field walkdown    | 25                     |                                |                    |                                            |
| 973  | South field drainage                                     | No   | Bog stem bullrush                                         | 6/2/2010        | June 2010 quarterly field walkdown     | 6                      |                                |                    |                                            |
| 974  | South of Sycamore trail south of the Shingle Oak         | No   | Downed tree cage                                          | 6/2/2010        | June 2010 quarterly field walkdown     | 7                      |                                |                    |                                            |
| 975  | North of deer fence in SWU, west of trail                | No   | Black pipe                                                | 6/2/2010        | June 2010 quarterly field walkdown     | 8                      | No action necessary            | Sept. 2012         | Drainage pipe abandoned in place           |
| 976  | North of south pines deer fence near access road         | No   | Thistle                                                   | 6/2/2010        | June 2010 quarterly field walkdown     | 9                      |                                |                    |                                            |
| 984  | North of former inactive flyash pile (slope of SWU)      | No   | Debris - asphalt                                          | 6/2/2010        | June 2010 quarterly field walkdown     | 16                     | Removed and free-released      | Sept. 2012         | addressed during erosion repair activities |
| 986  | Near "salamander habitat"                                | No   | Erosion                                                   | 6/2/2010        | June 2010 quarterly field walkdown     | 18                     | Repaired                       | Sept. 2012         |                                            |
| 989  | North of silo ponds                                      | No   | Patchy vegetation                                         | 6/2/2010        | June 2010 quarterly field walkdown     | 21                     | Reseeded following disturbance | Sept. 2012         |                                            |
| 992  | Paddys Run - silos riprap                                | No   | Reed canary grass                                         | 6/2/2010        | June 2010 quarterly field walkdown     | 24                     |                                |                    |                                            |
| 994  | SWU floodplain                                           | No   | Old cage needs removed                                    | 6/2/2010        | June 2010 quarterly field walkdown     | 26                     |                                |                    |                                            |
| 996  | SWRB southwest corner                                    | No   | Thistle patch                                             | 6/2/2010        | June 2010 quarterly field walkdown     | 28                     |                                |                    |                                            |
| 1002 | South of Visitors Center parking lot in woods            | No   | Honeysuckle                                               | 6/2/2010        | June 2010 quarterly field walkdown     | 34                     |                                |                    |                                            |
| 1004 | Southeast of arsenic hot spot                            | No   | Multiflora rose                                           | 6/2/2010        | June 2010 quarterly field walkdown     | 36                     |                                |                    |                                            |
| 1006 | South pines north of Sycamore trail                      | No   | Honeysuckle all over                                      | 6/2/2010        | June 2010 quarterly field walkdown     | 38                     |                                |                    |                                            |
| 1010 | South pines along access road                            | No   | Honeysuckle                                               | 6/2/2010        | June 2010 quarterly field walkdown     | 42                     |                                |                    |                                            |

| No.  | Location                                           | GPS? | Maintenance item identified    | Date identified | Origin of Finding                       | Inspection Finding No. | Resolution          | Date of resolution | Comments |
|------|----------------------------------------------------|------|--------------------------------|-----------------|-----------------------------------------|------------------------|---------------------|--------------------|----------|
| 1011 | East of south pines, south of access road          | No   | Thistle                        | 6/2/2010        | June 2010 quarterly field walkdown      | 43                     |                     |                    |          |
| 1012 | East edge of south pines deer fence                | No   | Thistle                        | 6/2/2010        | June 2010 quarterly field walkdown      | 44                     |                     |                    |          |
| 1013 | South side of south pines deer fence               | No   | Honeysuckle                    | 6/2/2010        | June 2010 quarterly field walkdown      | 45                     |                     |                    |          |
| 1020 | Southeast of dance hall                            | No   | Honeysuckle                    | 6/2/2010        | June 2010 quarterly field walkdown      | 52                     |                     |                    |          |
| 1022 | Drainage west of northern most well in south field | No   | Honeysuckle                    | 6/2/2010        | June 2010 quarterly field walkdown      | 54                     |                     |                    |          |
| 1091 | Lodge pond basin – center                          | No   | Invasive Schoeneplectus        | 9/8/2010        | September 2010 quarterly field walkdown | 2                      |                     |                    |          |
| 1100 | Lodge pond basin – northeast                       | No   | Bare area                      | 9/8/2010        | September 2010 quarterly field walkdown | 11                     |                     |                    |          |
| 1101 | Lodge pond basin – northeast                       | No   | Erosion                        | 9/8/2010        | September 2010 quarterly field walkdown | 12                     |                     |                    |          |
| 1105 | NE of lodge pond basin near property line          | No   | Bare area                      | 9/8/2010        | September 2010 quarterly field walkdown | 16                     |                     |                    |          |
| 1106 | Near well across from OSDF moved path              | No   | Thistle                        | 9/8/2010        | September 2010 quarterly field walkdown | 17                     |                     |                    |          |
| 1116 | Basin across from triangle                         | No   | Honeysuckle, pear, crown vetch | 9/8/2010        | September 2010 quarterly field walkdown | 28                     |                     |                    |          |
| 1117 | Basin across from triangle                         | No   | Honeysuckle, pear, crown vetch | 9/8/2010        | September 2010 quarterly field walkdown | 29                     |                     |                    |          |
| 1118 | Basin across from triangle                         | No   | Pear, Honeysuckle              | 9/8/2010        | September 2010 quarterly field walkdown | 30                     |                     |                    |          |
| 1135 | Pines near access road                             | No   | Honeysuckle                    | 9/8/2010        | September 2010 quarterly field walkdown | 48                     |                     |                    |          |
| 1136 | North pines                                        | No   | Multiflora rose                | 9/8/2010        | September 2010 quarterly field walkdown | 49                     |                     |                    |          |
| 1139 | North pines along access rd.                       | No   | Honeysuckle                    | 9/8/2010        | September 2010 quarterly field walkdown | 53                     |                     |                    |          |
| 1147 | A8P11-N, south deer fence                          | no   | North side of fence down       | 12/9/2010       | December 2010 quarterly field walkdown  | 3                      | Removed deer fence  | Sept. 2012         |          |
| 1211 | Cell 5/6, east toe                                 | No   | Broken survey marker           | 3/8/2011        | March 2011 OSDF Inspection              | JC1                    |                     |                    |          |
| 1218 | Berm south of VC Parking                           | No   | Crown Vetch                    | 6/1/2011        | June 2011 quarterly field walkdown      | 3                      |                     |                    |          |
| 1219 | South Pines deer fence (east)                      | No   | Fence is sagging               | 6/1/2011        | June 2011 quarterly field walkdown      | 4                      | Repaired deer fence | Sept. 2012         |          |
| 1220 | SWU east fence                                     | No   | South side down                | 6/1/2011        | June 2011 quarterly field walkdown      | 6                      | Repaired deer fence | Sept. 2012         |          |

| No.  | Location                        | GPS? | Maintenance item identified               | Date identified | Origin of Finding                      | Inspection Finding No. | Resolution           | Date of resolution | Comments |
|------|---------------------------------|------|-------------------------------------------|-----------------|----------------------------------------|------------------------|----------------------|--------------------|----------|
| 1222 | Radium hot spot                 | No   | Deer fence south gate broken              | 6/1/2011        | June 2011 quarterly field walkdown     | 9                      | Repaired deer fence  | Sept. 2012         |          |
| 1223 | SWU - deer fence east of trail  | No   | Deer fence top is down                    | 6/1/2011        | June 2011 quarterly field walkdown     | 10                     | Repaired deer fence  | Sept. 2012         |          |
| 1225 | West of Lodge Pond overlook     | No   | Deer fence sagging                        | 6/1/2011        | June 2011 quarterly field walkdown     | 14                     | Repaired deer fence  | Sept. 2012         |          |
| 1228 | SWU east of trail               | No   | Teasel                                    | 6/1/2011        | June 2011 quarterly field walkdown     | 17                     |                      |                    |          |
| 1230 | SWU east of deer fence          | No   | Teasel                                    | 6/1/2011        | June 2011 quarterly field walkdown     | 19                     |                      |                    |          |
| 1231 | SWU deer fence east of road     | No   | Teasel, thistle, crown vetch              | 6/1/2011        | June 2011 quarterly field walkdown     | 21                     |                      |                    |          |
| 1232 | West of SSOD                    | No   | Teasel                                    | 6/1/2011        | June 2011 quarterly field walkdown     | 22                     |                      |                    |          |
| 1233 | West of SSOD                    | No   | Teasel                                    | 6/1/2011        | June 2011 quarterly field walkdown     | 23                     |                      |                    |          |
| 1234 | Radium hot spot deer fence      | No   | Fence/door low                            | 6/1/2011        | June 2011 quarterly field walkdown     | 24                     | Repaired deer fences | Sept. 2012         |          |
| 1236 | South of VC parking lot         | No   | Thistle                                   | 6/1/2011        | June 2011 quarterly field walkdown     | 26                     |                      |                    |          |
| 1237 | SWU at top of hill              | No   | Teasel                                    | 6/1/2011        | June 2011 quarterly field walkdown     | 27                     |                      |                    |          |
| 1240 | South field                     | No   | Dense poison ivy                          | 6/1/2011        | June 2011 quarterly field walkdown     | 30                     |                      |                    |          |
| 1241 | SWU deer fence (east)           | No   | Door broken                               | 6/1/2011        | June 2011 quarterly field walkdown     | 31                     | Repaired deer fence  | Sept. 2012         |          |
| 1246 | Access Gate VU                  | No   | Broken spring (does not affect barricade) | 6/2/2011        | June 2011 point-specific IC inspection | ns                     | No action necessary  | Dec. 2012          |          |
| 1278 | North fence (e)                 | No   | Fence damaged                             | 6/14/2011       | June 2011 OSDF inspection              | DN5                    | Removed deer fence   | Sept. 2012         |          |
| 1282 | West of VH 7                    | No   | Old leachate line unreadable              | 6/14/2011       | June 2011 OSDF inspection              | DN13                   |                      |                    |          |
| 1285 | East fence, east field          | No   | Honeysuckle along fence                   | 9/7/2011        | September 2011 Site Inspection         | 1                      |                      |                    |          |
| 1286 | North pines, fence east of shed | No   | Tree down on deer fence                   | 9/7/2011        | September 2011 Site Inspection         | 2                      | Repaired deer fence  | Sept. 2012         |          |
| 1287 | North pines, fence east of shed | No   | Tree down on deer fence                   | 9/7/2011        | September 2011 Site Inspection         | 3                      | Repaired deer fence  | Sept. 2012         |          |
| 1289 | Lodge pond basin                | No   | Thistle                                   | 9/7/2011        | September 2011 Site Inspection         | 5                      |                      |                    |          |
| 1291 | North pines                     | No   | Honeysuckle along woodland                | 9/7/2011        | September 2011 Site Inspection         | 10                     |                      |                    |          |

| No.  | Location                              | GPS? | Maintenance item identified                                                                                  | Date identified | Origin of Finding                           | Inspection Finding No. | Resolution          | Date of resolution | Comments     |
|------|---------------------------------------|------|--------------------------------------------------------------------------------------------------------------|-----------------|---------------------------------------------|------------------------|---------------------|--------------------|--------------|
| 1292 | Lodge pond - west                     | No   | Olive species                                                                                                | 9/7/2011        | September 2011 Site Inspection              | 11                     |                     |                    |              |
| 1293 | East perimeter                        | No   | Scattered pear                                                                                               | 9/7/2011        | September 2011 Site Inspection              | 14                     |                     |                    |              |
| 1294 | Lodge pond basin                      | No   | Callery pear                                                                                                 | 9/7/2011        | September 2011 Site Inspection              | 15                     |                     |                    |              |
| 1296 | OSDF fencing                          | No   | Erosion at post bases, gaps and burrows at various locations                                                 | 9/8/2011        | September 2011 point-specific IC inspection | na                     |                     |                    |              |
| 1298 | Restoration storage shed              | No   | Bottom of corner trim lost bolt                                                                              | 9/8/2011        | September 2011 point-specific IC inspection | na                     | No action necessary | Dec. 2012          |              |
| 1304 | East Cell 2, 6:1                      | No   | Johnson grass                                                                                                | 9/13/2011       | September 2011 OSDF inspection              | BL1                    |                     |                    |              |
| 1305 | East Cell 6, 6:1                      | No   | 12' x 4' bare area                                                                                           | 9/13/2011       | September 2011 OSDF inspection              | BL2                    |                     |                    |              |
| 1306 | East Cell 7, 6:1                      | No   | 12' x 4' bare area                                                                                           | 9/13/2011       | September 2011 OSDF inspection              | BL3                    |                     |                    |              |
| 1315 | Toe, east Cell 2                      | No   | Erosion                                                                                                      | 9/13/2011       | September 2011 OSDF inspection              | JH3                    |                     |                    |              |
| 1330 | North of VHT                          | No   | Faded signage (Buried Leachate)                                                                              | 9/13/2011       | September 2011 OSDF inspection              | BG11                   |                     |                    |              |
| 1343 | Rainbow bridge deer fence - SE        | No   | Deer fence down                                                                                              | 12/1/2011       | December 2011 Site Inspection               | 15                     | Repaired deer fence | Sept. 2012         |              |
| 1344 | Rainbow bridge deer fence - NE        | No   | Deer fence down                                                                                              | 12/1/2011       | December 2011 Site Inspection               | 16                     | Repaired deer fence | Sept. 2012         |              |
| 1345 | Duke Energy deer fence - SE           | No   | Deer fence down                                                                                              | 12/1/2011       | December 2011 Site Inspection               | 17                     | Removed deer fence  | Sept. 2012         |              |
| 1346 | Duke Energy deer fence - east         | No   | Deer fence down                                                                                              | 12/1/2011       | December 2011 Site Inspection               | 18                     | Removed deer fence  | Sept. 2012         |              |
| 1347 | Duke Energy deer fence - NE           | No   | Tree on deer fence                                                                                           | 12/1/2011       | December 2011 Site Inspection               | 19                     | Removed deer fence  | Sept. 2012         |              |
| 1348 | Duke Energy deer fence - north        | No   | Tree on deer fence                                                                                           | 12/1/2011       | December 2011 Site Inspection               | 20                     | Removed deer fence  | Sept. 2012         |              |
| 1349 | "S" bend on Paddys Run Rd.            | No   | 4x4 barrier post is broken off at ground level, seemingly run over by a vehicle (tire tracks on either side) | 12/1/2011       | December 2011 Site Inspection               | 22                     | No action necessary | Sept. 2012         | post removed |
| 1351 | Interior Authorized Vehicle Access VU | No   | Broken spring, rope on ground                                                                                | 9/8/2011        | September 2011 point-specific IC inspection | na                     |                     |                    |              |
| 1353 | Restoration storage shed              | No   | Bottom of corner trim lost bolt.                                                                             | 9/8/2011        | September 2011 point-specific IC inspection | na                     |                     |                    |              |
| 1355 | Cell 1 (west)                         | No   | Bare spot                                                                                                    | 12/13/2011      | December 2011 OSDF inspection               | LH1                    |                     |                    |              |
| 1356 | Cell 1/2                              | No   | Bare spot                                                                                                    | 12/13/2011      | December 2011 OSDF inspection               | LH5                    |                     |                    |              |

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|------|---------------------------------------------|------|--------------------------------------|-----------------|----------------------------|------------------------|-------------------------------------|--------------------|----------|
| 1375 | Waste Pits, east slope of pond              | No   | Erosion                              | 3/6/2012        | March 2012 Site Inspection | 2                      |                                     |                    |          |
| 1383 | Waste Pits, north Pit 3                     | No   | Erosion                              | 3/6/2012        | March 2012 Site Inspection | 12                     |                                     |                    |          |
| 1387 | Waste Pits                                  | No   | Erosion                              | 3/6/2012        | March 2012 Site Inspection | 16                     |                                     |                    |          |
| 1388 | Waste Pits, east end Pit 5                  | No   | Erosion                              | 3/6/2012        | March 2012 Site Inspection | 17                     |                                     |                    |          |
| 1390 | Waste Pits, north Pit 5                     | No   | Erosion                              | 3/6/2012        | March 2012 Site Inspection | 19                     |                                     |                    |          |
| 1402 | Center waste pit 3                          | No   | Erosion between ponds                | 3/6/2012        | March 2012 Site Inspection | 35                     |                                     |                    |          |
| 1403 | East side of pond waste pit 3               | No   | Erosion between ponds                | 3/6/2012        | March 2012 Site Inspection | 36                     |                                     |                    |          |
| 1409 | East of Community Pond                      | No   | Erosion rill                         | 3/6/2012        | March 2012 Site Inspection | 42                     |                                     |                    |          |
| 1411 | Land between lakes                          | No   | Erosion rills                        | 3/6/2012        | March 2012 Site Inspection | 44                     |                                     |                    |          |
| 1443 | East fence line                             | No   | Black pipe                           | 3/13/2012       | March 2012 OSDF Inspection | HS10                   |                                     |                    |          |
| 1451 | West fence line                             | No   | Erosion                              | 3/13/2012       | March 2012 OSDF Inspection | HS18                   |                                     |                    |          |
| 1454 | VH3                                         | No   | Drain pipe on building is down       | 3/13/2012       | March 2012 OSDF Inspection | HS22                   |                                     |                    |          |
| 1456 | North of silos ponds                        | No   | Spotty bare/gravel                   | 6/5/2012        | June 2012 Site Inspection  | 2                      | Reseeded area following disturbance | Sept. 2012         |          |
| 1457 | At well house                               | No   | Exposed wires (from removal?)        | 6/5/2012        | June 2012 Site Inspection  | 4                      |                                     |                    |          |
| 1459 | East side of south pines deer fence         | No   | Deer fence off posts                 | 6/5/2012        | June 2012 Site Inspection  | 7                      | Repaired deer fence                 | Sept. 2012         |          |
| 1460 | Ditch line on edge of road                  | No   | Sink holes                           | 6/5/2012        | June 2012 Site Inspection  | 8                      |                                     |                    |          |
| 1461 | East side of south pines deer fence         | No   | Holes in gate                        | 6/5/2012        | June 2012 Site Inspection  | 9                      | Repaired deer fence                 | Sept. 2012         |          |
| 1462 | Radiation hotspot deer fence - east side    | No   | Zp ties broken, fence hanging        | 6/5/2012        | June 2012 Site Inspection  | 13                     | Repaired deer fence                 | Sept. 2012         |          |
| 1463 | Paddy's Run - east bank west of silos ponds | No   | 10' x 20' exposed fabric, rocks gone | 6/5/2012        | June 2012 Site Inspection  | 14                     |                                     |                    |          |
| 1464 | Paddy's Run - east bank west of silos ponds | No   | Fallen tree cages                    | 6/5/2012        | June 2012 Site Inspection  | 15                     |                                     |                    |          |
| 1466 | Shingle Oak trail                           | No   | Teasel                               | 6/5/2012        | June 2012 Site Inspection  | 24                     |                                     |                    |          |

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| 1468 | Drainage area               | No   | Garlic mustard                                    | 6/5/2012        | June 2012 Site Inspection              | 26                     |                                             |                    |          |
| 1469 | Well access                 | No   | Teasel                                            | 6/5/2012        | June 2012 Site Inspection              | 27                     |                                             |                    |          |
| 1470 | SE corner of deer fence     | No   | Thistle patch                                     | 6/5/2012        | June 2012 Site Inspection              | 28                     |                                             |                    |          |
| 1472 | Dance hall road             | No   | Erosion fill                                      | 6/5/2012        | June 2012 Site Inspection              | 31                     |                                             |                    |          |
| 1473 | Deer fence                  | No   | Limbs on deer fence*                              | 6/5/2012        | June 2012 Site Inspection              | 32                     | Removed limbs                               | Sept. 2012         |          |
| 1474 | Deer fence                  | No   | Grapes pulling down fence                         | 6/5/2012        | June 2012 Site Inspection              | 33                     | Removed grape vines and repaired deer fence | Sept. 2012         |          |
| 1475 | Deer fence                  | No   | Top of fence unattached                           | 6/5/2012        | June 2012 Site Inspection              | 34                     | Repaired deer fence                         | Sept. 2012         |          |
| 1477 | Perimeter sign S41          | No   | Sign not visible due to vegetation                | 6/6/2012        | June 2012 point-specific IC inspection | na                     |                                             |                    |          |
| 1482 | North toe                   | No   | Sycamore and willow                               | 6/12/2012       | June 2012 OSDF Inspection              | LH1                    |                                             |                    |          |
| 1483 | North toe                   | No   | Ash and grapevine                                 | 6/12/2012       | June 2012 OSDF Inspection              | LH2                    |                                             |                    |          |
| 1484 | Drainage west cell 8        | No   | Cottonwood                                        | 6/12/2012       | June 2012 OSDF Inspection              | LH6                    |                                             |                    |          |
| 1485 | Drainage west cell 8        | No   | Willow                                            | 6/12/2012       | June 2012 OSDF Inspection              | LH7                    |                                             |                    |          |
| 1490 | West toe at VJ16            | No   | Standing water (follow up to LH5 from March 2012) | 6/12/2012       | June 2012 OSDF Inspection              | JH4                    |                                             |                    |          |
| 1491 | West toe cell 6             | No   | Wetland vegetation                                | 6/12/2012       | June 2012 OSDF Inspection              | JH5                    |                                             |                    |          |
| 1492 | West toe south of VJH       | No   | Standing water                                    | 6/12/2012       | June 2012 OSDF Inspection              | JH6                    |                                             |                    |          |
| 1514 | West fence line behind VJH7 | No   | Poison ivy                                        | 6/12/2012       | June 2012 OSDF Inspection              | HS33                   |                                             |                    |          |
| 1518 | West drain, cell 4          | No   | Willows                                           | 6/12/2012       | June 2012 OSDF Inspection              | HS37                   |                                             |                    |          |
| 1520 | West drain, cell 2          | No   | Willow, Virginia creeper, honeysuckle             | 6/12/2012       | June 2012 OSDF Inspection              | HS39                   |                                             |                    |          |
| 1521 | West drain, cell 1          | No   | Honeysuckle, multiflora, ash                      | 6/12/2012       | June 2012 OSDF Inspection              | HS40                   |                                             |                    |          |
| 1522 | East perimeter              | No   | Gallery pear                                      | 9/5/2012        | September 2012 Site Inspection         | 1                      |                                             |                    |          |
| 1523 | East field                  | No   | Gallery pear                                      | 9/5/2012        | September 2012 Site Inspection         | 2                      |                                             |                    |          |

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| 1524 | WM1, Basin 3                 | No   | Rubber pipe and charred log | 9/5/2012        | September 2012 Site Inspection | 3                      |            |                    |          |
| 1525 | North of Restoration shed    | No   | Gravel/asphalt patch        | 9/5/2012        | September 2012 Site Inspection | 5                      |            |                    |          |
| 1526 | WM1, W4 and 3                | No   | Honeysuckle/pear            | 9/5/2012        | September 2012 Site Inspection | 6                      |            |                    |          |
| 1527 | WM1, W5 and 1                | No   | Honeysuckle                 | 9/5/2012        | September 2012 Site Inspection | 7                      |            |                    |          |
| 1528 | WM1, W7                      | No   | Honeysuckle                 | 9/5/2012        | September 2012 Site Inspection | 9                      |            |                    |          |
| 1529 | WM1, W7                      | No   | T-post in hole              | 9/5/2012        | September 2012 Site Inspection | 10                     |            |                    |          |
| 1530 | WM1, W3                      | No   | Bare spot                   | 9/5/2012        | September 2012 Site Inspection | 11                     |            |                    |          |
| 1531 | WM1, W3 and 2                | No   | Bare spot                   | 9/5/2012        | September 2012 Site Inspection | 12                     |            |                    |          |
| 1532 | WM1, W2 – fenceline          | No   | A bat house coming down     | 9/5/2012        | September 2012 Site Inspection | 13                     |            |                    |          |
| 1533 | WM1, fenceline               | No   | Large honeysuckle           | 9/5/2012        | September 2012 Site Inspection | 14                     |            |                    |          |
| 1534 | WM1                          | No   | Multiflora rose             | 9/5/2012        | September 2012 Site Inspection | 15                     |            |                    |          |
| 1535 | WM1                          | No   | Soil erosion                | 9/5/2012        | September 2012 Site Inspection | 16                     |            |                    |          |
| 1536 | Lodge Pond basin north bank  | No   | Thisle                      | 9/5/2012        | September 2012 Site Inspection | 19                     |            |                    |          |
| 1537 | Lodge Pond trail inside loop | No   | Thisle                      | 9/5/2012        | September 2012 Site Inspection | 20                     |            |                    |          |
| 1538 | Cell 5, west toe inner drain | No   | Standing water – follow up  | 9/11/2011       | September 2012 OSDF Inspection | JH1                    |            |                    |          |
| 1539 | Gravity inlet at V#6         | No   | Erosion from gravel road    | 9/11/2011       | September 2012 OSDF Inspection | JH3                    |            |                    |          |
| 1540 | Cell 7, west inner drain     | No   | Standing water              | 9/11/2011       | September 2012 OSDF Inspection | JH4                    |            |                    |          |
| 1541 | Perimeter fence              | No   | Check all signs on fence    | 9/11/2011       | September 2012 OSDF Inspection | LM1                    |            |                    |          |
| 1542 | Midpoint Cell 8, west drain  | No   | 4"x4" post with metal       | 9/11/2011       | September 2012 OSDF Inspection | LM5                    |            |                    |          |
| 1543 | At V#2                       | No   | Large piece of concrete     | 9/11/2011       | September 2012 OSDF Inspection | HS1                    |            |                    |          |
| 1544 | At V#7                       | No   | Groundhog holes             | 9/11/2011       | September 2012 OSDF Inspection | HS4                    |            |                    |          |

7329

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| 1545 | North and south of V/H#7 | No   | Buried leachate signs faded | 9/11/2011       | September 2012 OSDF Inspection | SB7                    |            |                    |          |
| 1546 | East fence at Cell 8     | No   | Gravel sinking along fence  | 9/11/2011       | September 2012 OSDF Inspection | SB13                   |            |                    |          |
| 1547 | East fence at Cell 8     | No   | Concrete in drainage        | 9/11/2011       | September 2012 OSDF Inspection | SB14                   |            |                    |          |